



PRESS KIT



AIR TRAFFIC MANAGEMENT

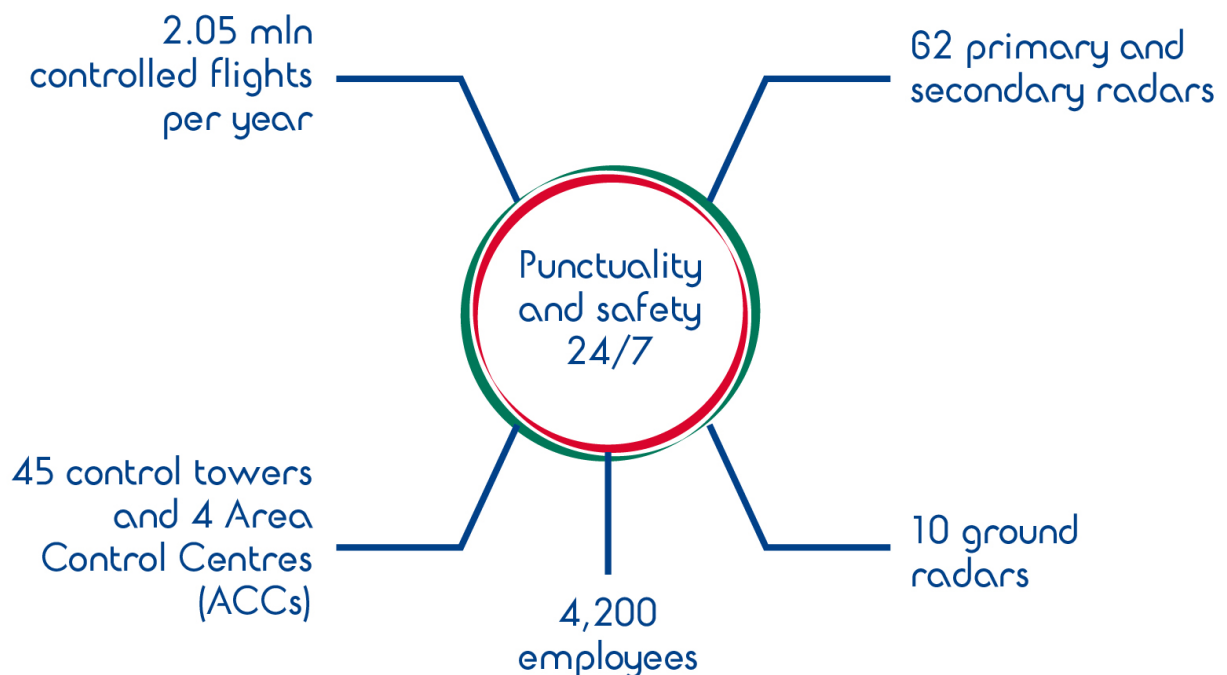
ENAV is the **Italian air navigation service provider** for civil air traffic and ensures the safety and punctuality of millions of passengers flying in the Italian airspace.

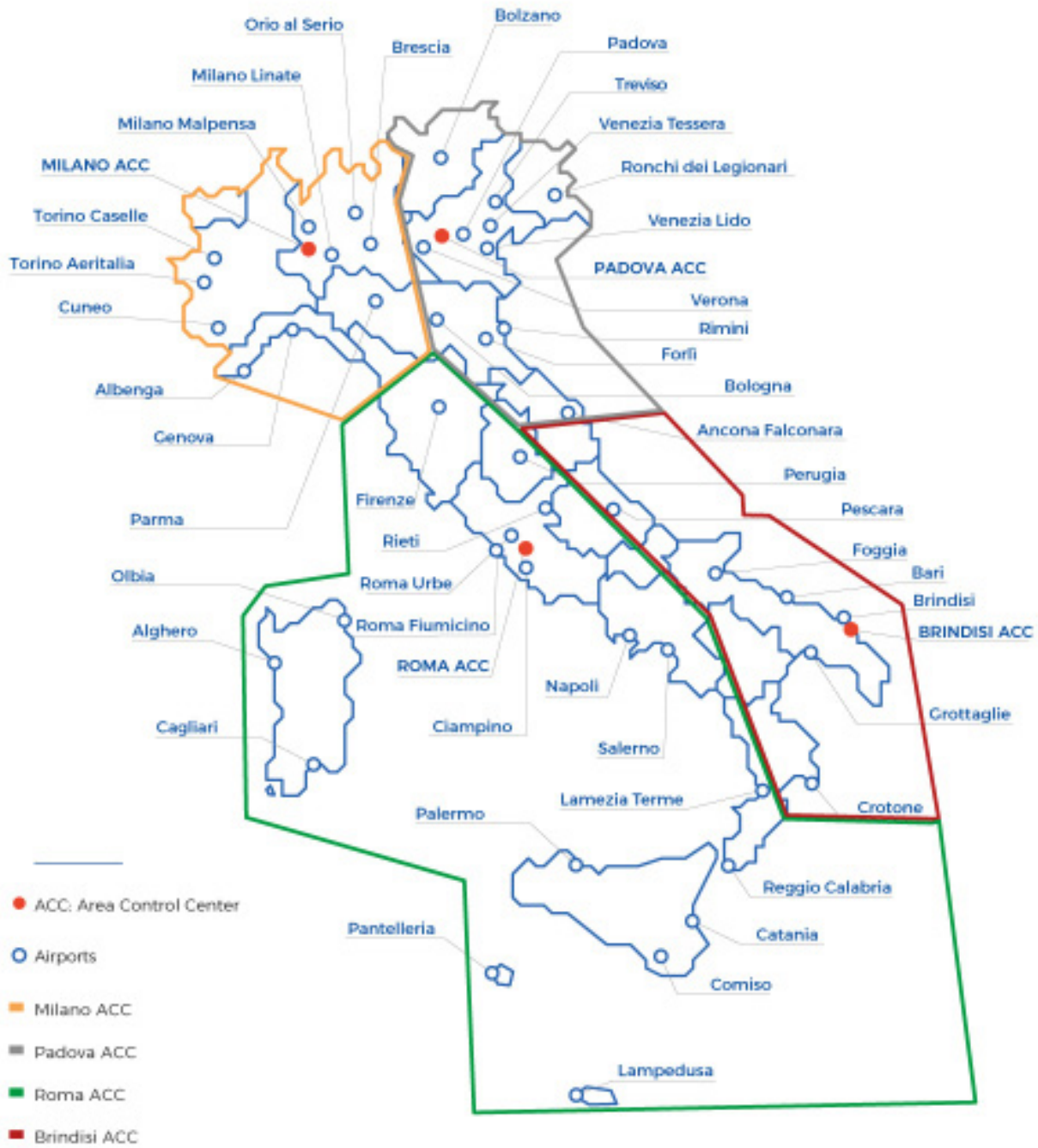
With around **2 million controlled flights per year** on an airspace measuring **732,800 sq.km.** and peaks of more than 7,300 flights per day during summer, ENAV provides the airlines flying in Italian skies with air navigation services 24 hours per day, 365 days per year. ATC (Air Traffic Control) services are provided through the **Control Towers of 45 Italian civil airports and 4 Area Control Centres (ACCs)** based in Rome, Milan, Padua and Brindisi respectively.

From control towers, ENAV manages aircraft takeoffs, landings and taxing, while from ACCs, it ensures the control of all en-route aircraft, including those flying over the country or stopping over at a domestic airports.

MISSION E VISION

Ensure the safety and punctuality of the millions of passengers who fly in Italian airspace, while contributing to the growth of national and European air transport through ongoing efficiency and innovation. Create - based on safety - a strategy that is more and more customer oriented, which modernizes systems and creates value, further strengthening ENAV's presence internationally.





SINGLE NATIONAL OPERATOR

ENAV operates in a regulated sector and is the single national operator for civil air traffic control. On 26 July 2016, ENAV was publicly listed and changed its legal form from a single-member company to a joint-stock company. The Italian Economy and Finance Ministry holds a 53.3% stake in ENAV. The Company is also supervised by the Italian Ministry of Infrastructure and Transport.

SYSTEMS AND TECHNOLOGIES

ENAV's air traffic controllers manage air traffic and guide aircraft by using data originating from **62 primary and secondary radars and 10 ground radars** – this is a complex technological infrastructure with **systems and devices** located nationwide to control air traffic in accordance with the highest safety, effectiveness and efficiency standards. ENAV also has for long been involved in the field of research and innovation and takes part in a number of projects for the definition and testing of new operating concepts, technologies, systems and new functionality to favour ongoing performance improvement in accordance with the most stringent requirements of the EU “Single European Sky” programme.

KNOW-HOW AND SKILLS

ENAV staff's cultural background, **know-how and software/engineering skills** are a distinctive and primary feature of the Group. In particular, more than 50% of the Group's **4,200 employees** are highly skilled and specialised in the company's core business, i.e. service provision.

OTHER HIGH ADDED-VALUE OPERATIONAL ACTIVITIES

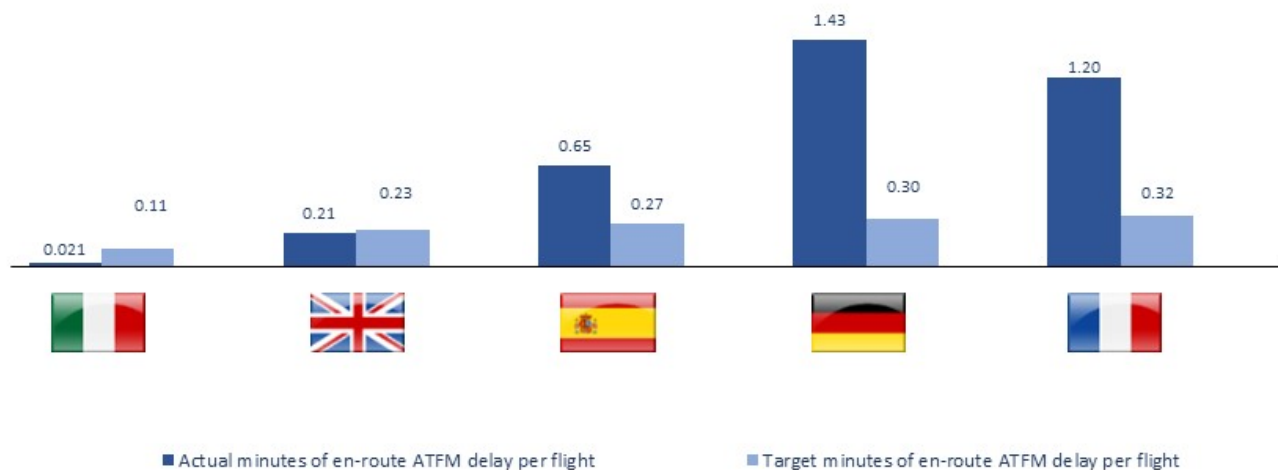
In addition to air traffic services, which is ENAV's core business, the group performs a number of operational activities including **airspace design, aeronautical information services**, production of **weather forecast** services, en-route control of civilian and military **radio aids** systems, **training**, development of **engineering solutions, maintenance** of control systems and technologies, and **third-market consulting**. ENAV provides services to 29 countries including the reference markets of **Malaysia**, the **United Arab Emirates** and **Libya**.

EUROPEAN TOP PERFORMER

ENAV is a well-known as a European and global brand in the quality of service provided in terms of on-time record and safety. It has accumulated a delay of **only 0.021 minutes in en-route services, with a regulator's fixed target of 0.11 minutes**, which makes it the best performer among other European service providers.

Performance Quality Leader in Europe (2019)

Capacity Performance 2019



INTERNATIONAL ACTIVITIES

ENAV is a **key player**, as documented by its ongoing active participation in the main **decision-making and consultation organisations** and contexts, including the activities promoted by the **European Commission, EUROCONTROL, ICAO** (International Civil Aviation Organisation) and **CANSO** (Civil Air Navigation Service Organisation). ENAV is among the main players involved in the **SESAR** (Single European ATM Research) programme to strengthen air traffic safety and efficiency in Europe and reduce delays through harmonised continental airspace control and management. In particular, over the last ten years, ENAV proactively introduced important **technological innovations in ATM systems, in advance of other operators and promoted new pan-European R&D initiatives**.

A HIGHLY REGULATED SYSTEM

The high level of regulation in the air navigation service sector, whose performance and efficiency targets were fixed at EU level and customised by each Member State to benefit the respective national context, implies for ENAV a high degree of visibility and the stability of financial-result estimates over a 5-year period, i.e.- the timeframe used as reference to define fees. ENAV's provided traffic services include:

- **en-route traffic** related to overflights in the Italian airspace (and provided from the 4 radar control centres of Rome, Milan, Padua and Brindisi).
- **terminal traffic**, i.e. air traffic control in the various phases of aircraft approach, takeoff and/or landing (from the 45 national airports)

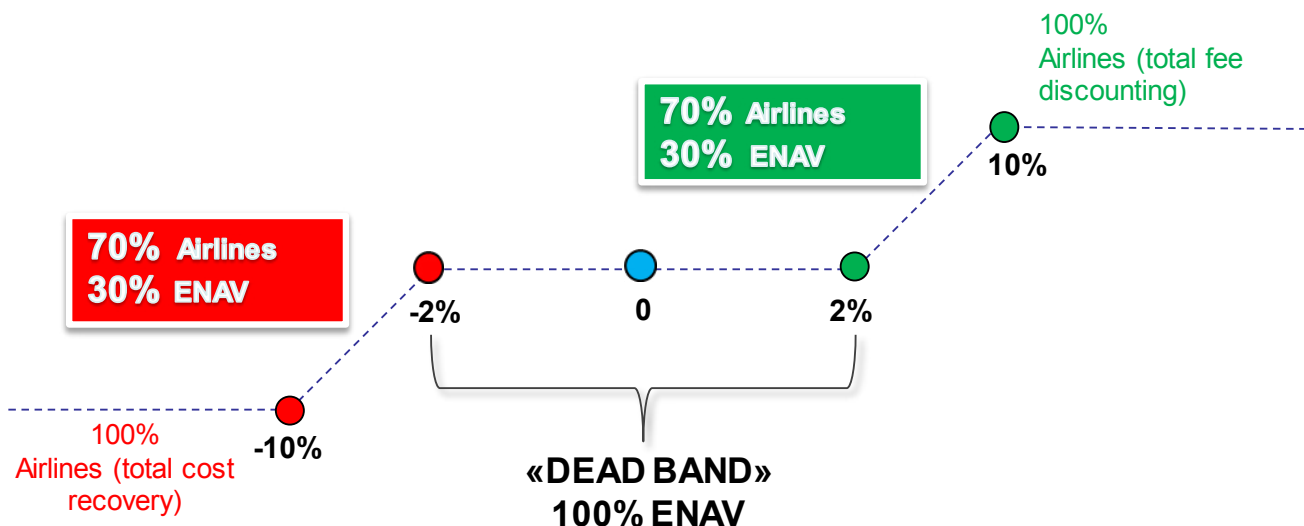
and **settled through fees charged to airlines depending on generated 'service units'** (calculated as a function of distance run and aircraft weight).

TARIFFS

Tariffs are set in accordance with EC regulation, which requires the definition of five-year performance plans, and are based, among other factors, on cost and traffic forecasts, with the overall system managed in accordance with the following scheme:

1. If actual **traffic** at the end of each year **falls between -2% and +2%** of the forecast value, any gain/loss goes to ENAV.
2. If actual **traffic** at the end of each year **exceeds the +2%/-2%** threshold, but not the threshold **of +10%/-10%** vs. forecasts, then any gain/loss goes to **ENAV** to the extent of **30%**, and to airlines to the extent of **70%**. All gains and losses are therefore capped.
3. All gains/losses resulting from actual traffic being in **excess or below 10%** of the planned traffic, are **borne by the airlines**.

At the end of each year, any deviations from traffic forecast are partially off-set through adjustment mechanisms applied to the fees of the following years (n+2).



SHAREHOLDING

TECHNO SKY

ENAV controls a 100% stake in Techno Sky, a logistics and maintenance company that ensures the full efficiency and seamless availability of the ATC plants, systems and software used in Italy.

IDS AIRNAV

IDS AirNav is the company of the ENAV group that serves the world of Air Traffic Management (ATM) and airports with Commercial Off-The-Shelf (COTS) solutions and software products aimed at supporting the transition from Aeronautical Information Services (AIS) to Aeronautical Information Management (AIM) in full compliancy with the ICAO and EUROCONTROL mandates for Aeronautical Data Quality (ADQ).

D-FLIGHT

D-Flight is the company created by ENAV to develop the U-space platform for the provision of services for drones (Unmanned Aerial Vehicles). The Company's capital is held 60% by ENAV and 40% by an industrial team led by Leonardo in partnership with Telespazio.

ENAV ASIA PACIFIC

A company wholly controlled by ENAV based in Kuala Lumpur, and active in the provision of management and consultancy services for the ATC system in the context of the Group's promotion and business development activity.

ENAV NORTH ATLANTIC

A company established in the USA for the management of ENAV's 11% stake in the capital of Aireon, which is responsible for the design, financing and deployment of the first global satellite surveillance services for air traffic control.

ESSP

This ENAV's investee (controlled through a 16.6% stake) is a provider of the EGNOS (European satellite navigation service).



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